#1. (" ... " + id) -> prepared Statement.

(" ... ?", " ...") > JDBC stortement

prepared Statement may cause exceptions, it may query the whole table. So it is not safe.

- #2. RowMapper.

 And extract the data from result set.
- #3. By using Named Parameter Jolbe Template, you can use columns as parameters.
- #4. @ Entity

3.

@ Table (name = "my - wp - post mota")

public class My WpPostmeta {

@ Id

@ Generated Value

private int meta-id;

- (a) Column (name = "post_id")
 private int post_id;
- @Column (name = "mota_key")
 private string mota_key;
- @ Column (name = "meta_value")
 Private long meta_value;

```
45. For example,
                    employee Id = employee Num + company_id.
      @ Embeddable.
       public class Employeef.
              @ Column ( name = "employee Nome")
               private int employee Num;
              @ Column (name = " company-id")
              Private int company the ;
               public state cool get Employee Id (employee Num, company Id)
                    this. employee Num = employee Num;
                  3 this company Id = company Id;
               "setter and getter ...
      When using it:
                @ Em bedda bo
                private int Employer Id;
                   many - to-many" >e lation.
        public class Stock & implements Serializable &
              private int stock Id;
              private String stockCoole;
              private String stock Name
              private Set < Cottagory > cortagories =
                                                      new Hash Sot < Category >
            @ Many to Many ( Fetch = FetchType. LARY, Cascade. All')
@ Join Table (@ Join Column & = (@ Join Column (name = "Stock - LD") }
                           @ Inverse Join Column (= & @ Join Column (name = "CATOGERY-ZD") }
             public Set 2 Cortagonys get Cologonies (){
                   return this! catogories;
```

```
public class Eategory implements Serilizable
     @ Many to Many (fetch = Fetch. LAZY
       public Sot < Stocks get Stock; mapped By- ("cortigories")
             beturn this . Stock;
    get () → load real data
    [and() → load proxy.
                     when new on object.
#8.
         persistent: data has to be the same between database and hibernate.
           lafter got () / ( pad ( )
                     exicti) / close () / clear()
                      deletal removel)
         try (
tx. bogin Transaction();
           Catch ( Exception e) {
```

sessimi. closel);

#10. It's called hibernate locking.

no have to make sure, during the commit, the the data is not modified by other concurrent ongoing transaction/thread.

we can use proprimistic locking. (there is another called pessimistic locking)

(1) by using version, which can be a TimeStamp.

So it it is medified, the version has been changed.

6) can to use olynamic optimistic locking.

@ optimistic Locking

@ Dynamic

creat a column named "created-on" in clatabase, it is at TimeStamp.

#11. There are two lavel cache.

Of first lavel is session level, which is in order to minimize clatabase usit.

And it is defaul, which can't be closed.

6) secceded level is session Factory level, which is for cross session use. It is can be configured in XML/Annotation.

There is another one called Query Cache. It is stores query results.

#12. Query Cache Stores gnery results.
So you don't need to visit clataback again and again to execut the same query.

#13. Forth Type (LAZY -> only load parent object, not with childrent.

EAGER -> load all of them.

Casade. All (connect) me to enamy many to one

#14. Both extends Repository interface.

CRUD Repository extends Repository interface. it returns Iterable.

JPA Repository returns a list.

| #15. Par | gination. | | |
|----------|--|--|-------------------|
| ex | tends Paging And Sorting Respository. | | |
| +16. G | atuable JPA Repositories | | |
| 2 | interface UserRepositiony extends List < User> final By I irst no 3 | s/ARepository < User, Long Ime (String first name); AMAge(Voth 11) | -0.5 |
| 3 | inject into service. (constructs | or dependency injection | ^). |
| | | | |
| | | | |
| 417. | Q As pert | | get (*) 就是所有gt市机. |
| | Public class User { | Vserservice . (get) beer (*) } | @ Before. V |
| | @ After (extension (* (com. public String get Vser (int) @ After (extension) Public String get Another 7. | UserService. getAnother | |
| ¥ 18. | @ Contradler Advice. (A) ExceptionHandler | | |
| # 19. | @ Transactional. | | |
| #20. | propagation ("REQUIRED") | -> require a transaction ") -> require a new tras | saction. |
| | isolation (" read - commit") | defutt. read comm | itted. |

#21. 2011 backfor= "Custom Exception!'class

22. After you submit your upoloited code to code library, the code will be packaged to WAR.

-0.5

Der will uplead war and run out the tests.

If maderied,

It everything is correct, your might get a report.

If something goes wrong, your previous successful war will be uploaded.

This is C2CD pipeline. continuous ludegerets ---

And the most popular tool is called Jenking.